



1370426

Operator Name: \_\_\_\_\_ Lease Name: \_\_\_\_\_ Well #: \_\_\_\_\_

Sec. \_\_\_\_\_ Twp. \_\_\_\_\_ S. R. \_\_\_\_\_  East  West County: \_\_\_\_\_

**INSTRUCTIONS:** Show important tops of formations penetrated. Detail all cores. Report all final copies of drill stems tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface test, along with final chart(s). Attach extra sheet if more space is needed.

Final Radioactivity Log, Final Logs run to obtain Geophysical Data and Final Electric Logs must be emailed to [kcc-well-logs@kcc.ks.gov](mailto:kcc-well-logs@kcc.ks.gov). Digital electronic log files must be submitted in LAS version 2.0 or newer AND an image file (TIFF or PDF).

Drill Stem Tests Taken <input type="checkbox"/> Yes <input type="checkbox"/> No <i>(Attach Additional Sheets)</i>  Samples Sent to Geological Survey <input type="checkbox"/> Yes <input type="checkbox"/> No  Cores Taken <input type="checkbox"/> Yes <input type="checkbox"/> No Electric Log Run <input type="checkbox"/> Yes <input type="checkbox"/> No Geologist Report / Mud Logs <input type="checkbox"/> Yes <input type="checkbox"/> No List All E. Logs Run: _____	<input type="checkbox"/> Log Formation (Top), Depth and Datum <input type="checkbox"/> Sample  Name Top Datum
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CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> Used							
Report all strings set-conductor, surface, intermediate, production, etc.							
Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs. / Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives

ADDITIONAL CEMENTING / SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone				

1. Did you perform a hydraulic fracturing treatment on this well?  Yes  No *(If No, skip questions 2 and 3)*
2. Does the volume of the total base fluid of the hydraulic fracturing treatment exceed 350,000 gallons?  Yes  No *(If No, skip question 3)*
3. Was the hydraulic fracturing treatment information submitted to the chemical disclosure registry?  Yes  No *(If No, fill out Page Three of the ACO-1)*

Date of first Production/Injection or Resumed Production/Injection:	Producing Method: <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other <i>(Explain)</i> _____				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

DISPOSITION OF GAS: <input type="checkbox"/> Vented <input type="checkbox"/> Sold <input type="checkbox"/> Used on Lease <i>(If vented, Submit ACO-18.)</i>	METHOD OF COMPLETION: <input type="checkbox"/> Open Hole <input type="checkbox"/> Perf. <input type="checkbox"/> Dually Comp. <input type="checkbox"/> Commingled <i>(Submit ACO-5)</i> <i>(Submit ACO-4)</i>	PRODUCTION INTERVAL: Top Bottom
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Shots Per Foot	Perforation Top	Perforation Bottom	Bridge Plug Type	Bridge Plug Set At	Acid, Fracture, Shot, Cementing Squeeze Record <i>(Amount and Kind of Material Used)</i>

TUBING RECORD:	Size:	Set At:	Packer At:	
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Form	ACO1 - Well Completion
Operator	Marexco, Inc.
Well Name	KYTE 34-2
Doc ID	1370426

All Electric Logs Run

Micro Resistivity
Borehole Compensated Sonic
Dual Induction
Compensated Density Neutron



# GLOBAL OIL FIELD SERVICES, LLC

3027

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT: Russell, KS

DATE <u>7-9-17</u>	SEC. <u>2</u>	TWP. <u>35</u>	RANGE <u>29W</u>	CALLED OUT	ON LOCATION	JOB START	JOB FINISH
LEASE <u>Kyle</u>		WELL #. <u>34-2</u>		LOCATION <u>Cherryville, KS</u>		COUNTY <u>Decatur</u>	STATE <u>KS</u>
OLD OR <input checked="" type="radio"/> NEW (CIRCLE ONE)							

CONTRACTOR White Knight Drilling

TYPE OF JOB SURFACE

HOLE SIZE 7 7/8 T.D. \_\_\_\_\_

CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

TUBING SIZE 4 1/2 x 11 DEPTH 2330'

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_

CEMENT LEFT IN CSG. \_\_\_\_\_

PERFS \_\_\_\_\_

DISPLACEMENT \_\_\_\_\_

EQUIPMENT

PUMP TRUCK CEMENTER Ben

# 417 HELPER Jason

BULK TRUCK \_\_\_\_\_

# 481 DRIVER Tom

BULK TRUCK \_\_\_\_\_

# \_\_\_\_\_ DRIVER \_\_\_\_\_

OWNER \_\_\_\_\_

CEMENT AMOUNT ORDERED 240 SX 60/100 PZ 4 1/2 GEL 1/4 PLO

COMMON \_\_\_\_\_ @ \_\_\_\_\_

POZMIX \_\_\_\_\_ @ \_\_\_\_\_

GEL \_\_\_\_\_ @ \_\_\_\_\_

CHLORIDE \_\_\_\_\_ @ \_\_\_\_\_

ASC \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

HANDLING \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

**REMARKS:**

1st 2330' 50 SX

2nd 1650' 100 SX

3rd 270' 50 SX

4th 40' 10 SX

RAT 30 SX

**SERVICE**

DEPTH OF JOB \_\_\_\_\_

PUMP TRUCK CHARGE \_\_\_\_\_

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE \_\_\_\_\_ @ \_\_\_\_\_

MANIFOLD \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

CHARGE TO: Marexco

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

**PLUG & FLOAT EQUIPMENT**

WIPEX PLUG \_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

Global Oil Field Services, LLC  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

REMIT TO 24 S. Lincoln  
Russell, KS 67665

SERVICE POINT:  
Russell, KS

DATE 7-3-17	SEC. 2	TWP. 3 S	RANGE 29 W	CALLED OUT	ON LOCATION	JOB START	JOB FINISH 8:45 PM
LEASE KYLE	WELL#. 34-2	LOCATION OREGON, KS			COUNTY DECATUR	STATE KS	
OLD OR <u>NEW</u> (CIRCLE ONE)							

CONTRACTOR WHITE KNIGHT

TYPE OF JOB SURFACE

HOLE SIZE 17 1/4 T.D. 219.94

CASING SIZE 9 5/8 DEPTH 217.94

TUBING SIZE DEPTH

DRILL PIPE DEPTH

TOOL DEPTH

PRES. MAX. MINIMUM

MEAS. LINE SHOE JOINT

CEMENT LEFT IN CSG. 20'

PERFS

DISPLACEMENT

EQUIPMENT

PUMP TRUCK CEMENTER BRAD

# 417 HELPER JASON

BULK TRUCK

# 401 DRIVER TOM

BULK TRUCK

# DRIVER

REMARKS:

Run in 5 hrs. Brand well 9 5/8 casing, circulate mud, mix 150 SX, cementing - alkaline water 12.5 BBL H2O, shut in @ 300 PSI, cement did circulate

OWNER

CEMENT

AMOUNT ORDERED 150 SX 60/40 P02 3%acc 2 taget

COMMON @

POZMIX @

GEL @

CHLORIDE @

ASC @

HANDLING @

MILEAGE @

TOTAL

CHARGE TO: MAREXCO

STREET PO Box 21596

CITY OKC STATE OK ZIP 73158

Global Oil Field Services, LLC  
You are hereby requested to rent cementing equipment and furnish cementer and helper(s) to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read and understand the "GENERAL TERMS AND CONDITIONS" listed on the reverse side.

PRINTED NAME Terry Austin

SIGNATURE

SERVICE

DEPTH OF JOB

PUMP TRUCK CHARGE

EXTRA FOOTAGE @

MILEAGE @

MANIFOLD @

TOTAL

PLUG & FLOAT EQUIPMENT

@

@

@

@

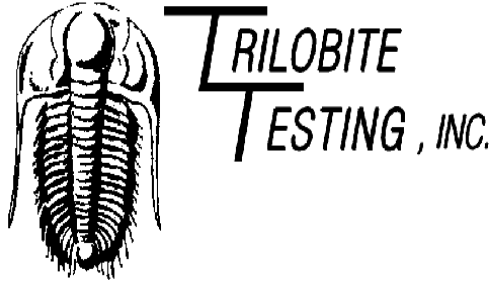
TOTAL

SALES TAX (If Any)

TOTAL CHARGES

DISCOUNT

IF PAID IN 30 DAYS



## DRILL STEM TEST REPORT

Prepared For: **Marexco, Inc.**

PO Box 21598  
Oklahoma City, OK 73158

ATTN: Rick Hall

**Kyte #34-2**

**2-3s-29w Decatur,KS**

Start Date: 2017.07.07 @ 10:10:00

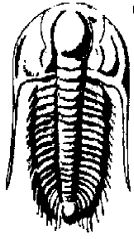
End Date: 2017.07.07 @ 14:35:00

Job Ticket #: 63149                      DST #: 1

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.07.11 @ 11:00:21

Marexco, Inc. 2-3s-29w Decatur,KS Kyte #34-2 DST # 1 LKC "B" 2017.07.07



**TRILOBITE TESTING, INC.**

# DRILL STEM TEST REPORT

Marexco, Inc.  
 PO Box 21598  
 Oklahoma City, OK 73158  
 ATTN: Rick Hall

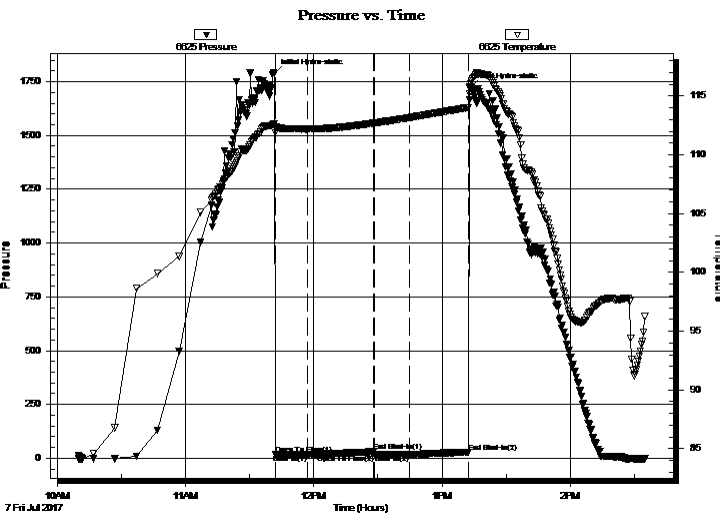
**2-3s-29w Decatur, KS**  
**Kyte #34-2**  
 Job Ticket: 63149 **DST#: 1**  
 Test Start: 2017.07.07 @ 10:10:00

## GENERAL INFORMATION:

Formation: **LKC "B"**  
 Deviated: No Whipstock: ft (KB)  
 Time Tool Opened: 11:42:00  
 Time Test Ended: 14:35:00  
 Interval: **3625.00 ft (KB) To 3637.00 ft (KB) (TVD)**  
 Total Depth: 3637.00 ft (KB) (TVD)  
 Hole Diameter: 7.88 inches Hole Condition: Fair  
 Test Type: Conventional Bottom Hole (Initial)  
 Tester: James Winder  
 Unit No: 83  
 Reference Elevations: 2600.00 ft (KB)  
 2595.00 ft (CF)  
 KB to GR/CF: 5.00 ft

**Serial #: 6625 Inside**  
 Press@RunDepth: 18.43 psig @ 3626.00 ft (KB) Capacity: 8000.00 psig  
 Start Date: 2017.07.07 End Date: 2017.07.07 Last Calib.: 2017.07.07  
 Start Time: 10:10:05 End Time: 14:34:59 Time On Btm: 2017.07.07 @ 11:41:45  
 Time Off Btm: 2017.07.07 @ 13:13:00

**TEST COMMENT:** 15 - IF: Weak surface blow from 10 - 12 min.  
 30 - IS: No blow  
 15 - FF: No blow  
 30 - FS: No blow



## PRESSURE SUMMARY

Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1785.88	112.64	Initial Hydro-static
1	18.07	111.86	Open To Flow (1)
16	17.94	112.18	Shut-In(1)
47	30.29	112.69	End Shut-In(1)
47	17.90	112.70	Open To Flow (2)
63	18.43	113.16	Shut-In(2)
91	28.80	114.02	End Shut-In(2)
92	1724.07	115.72	Final Hydro-static

## Recovery

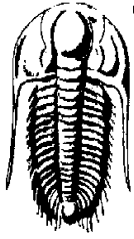
Length (ft)	Description	Volume (bbl)
4.00	Mud 100%	0.06
0.00	Oil spots in tool	0.00

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Marexco, Inc.

**2-3s-29w Decatur, KS**

PO Box 21598  
Oklahoma City, OK 73158

**Kyte #34-2**

Job Ticket: 63149

**DST#: 1**

ATTN: Rick Hall

Test Start: 2017.07.07 @ 10:10:00

## Tool Information

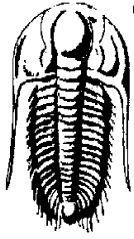
Drill Pipe:	Length: 3614.00 ft	Diameter: 3.80 inches	Volume: 50.69 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 65000.00 lb
			<u>Total Volume: 50.69 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	18.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3625.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	12.00 ft			
Tool Length:	41.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

## Tool Description

Tool Description	Length (ft)	Serial No.	Position	Depth (ft)	Accum. Lengths
Change Over Sub	1.00			3597.00	
Shut In Tool	5.00			3602.00	
Hydraulic tool	5.00			3607.00	
Jars	5.00			3612.00	
Safety Joint	3.00			3615.00	
Packer	5.00			3620.00	29.00 Bottom Of Top Packer
Packer	5.00			3625.00	
Stubb	1.00			3626.00	
Recorder	0.00	6625	Inside	3626.00	
Recorder	0.00	8017	Outside	3626.00	
Perforations	8.00			3634.00	
Bullnose	3.00			3637.00	12.00 Bottom Packers & Anchor

**Total Tool Length: 41.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

## FLUID SUMMARY

Marexco, Inc.

**2-3s-29w Decatur, KS**

PO Box 21598  
Oklahoma City, OK 73158

**Kyte #34-2**

Job Ticket: 63149

**DST#: 1**

ATTN: Rick Hall

Test Start: 2017.07.07 @ 10:10:00

### Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.56 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

### Recovery Information

Recovery Table

Length ft	Description	Volume bbl
4.00	Mud 100%	0.056
0.00	Oil spots in tool	0.000

Total Length: 4.00 ft      Total Volume: 0.056 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

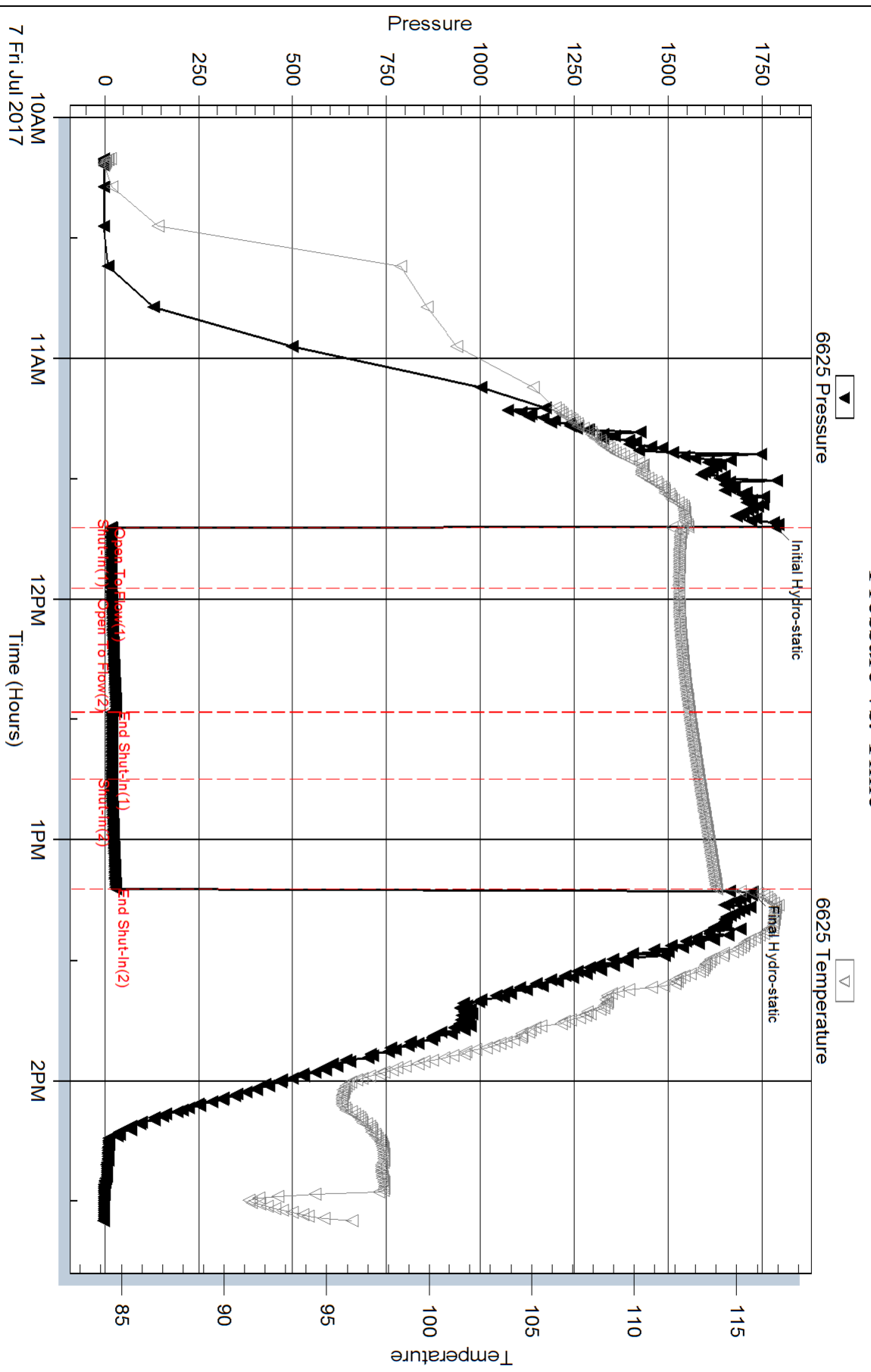
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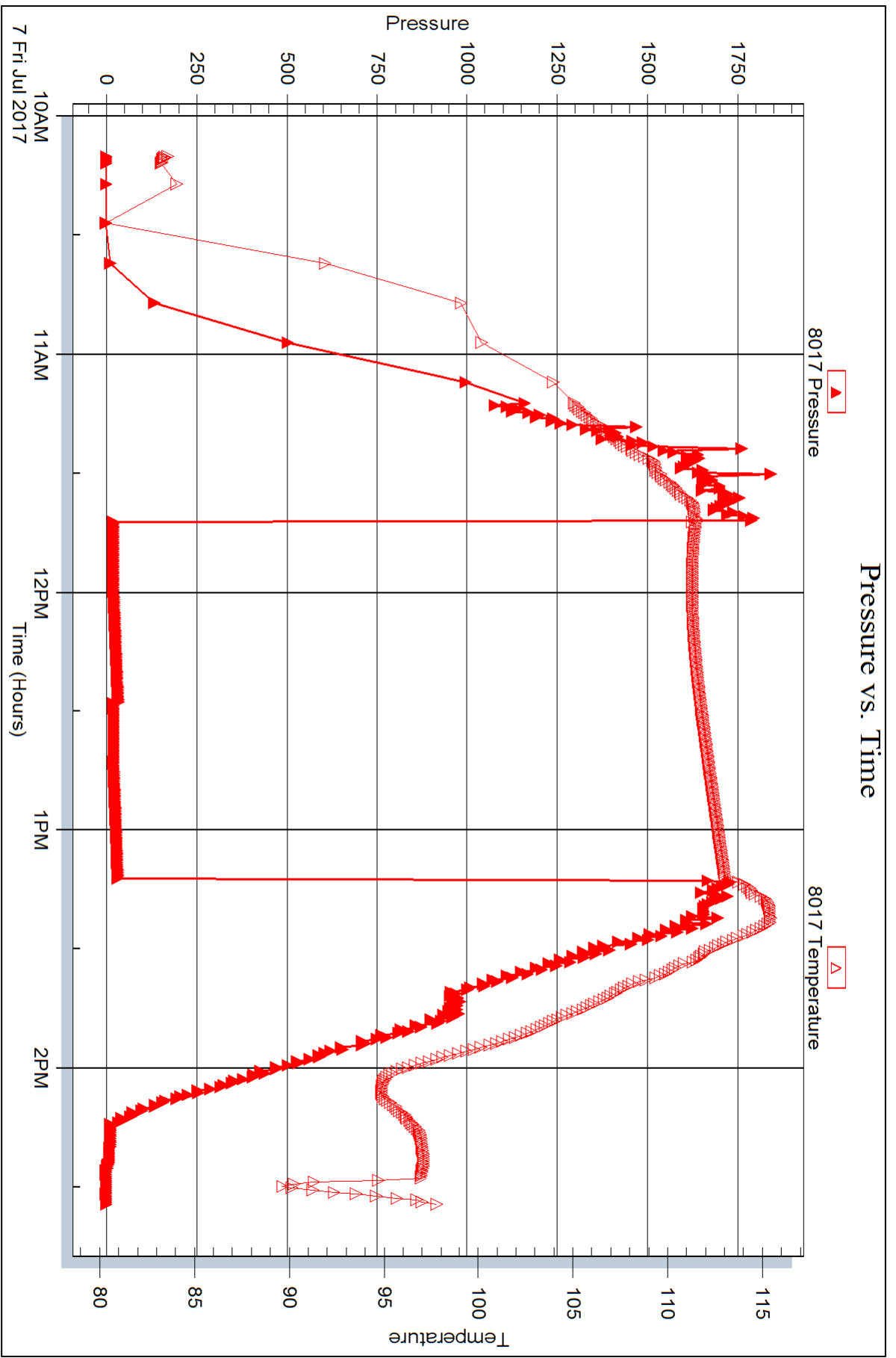
Laboratory Name:

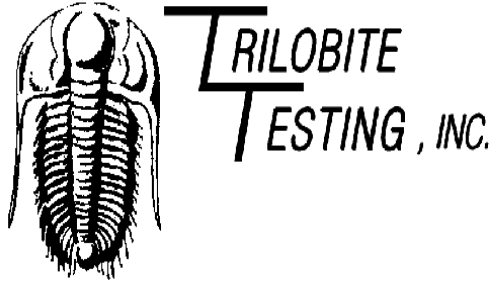
Laboratory Location:

Recovery Comments:

### Pressure vs. Time







## DRILL STEM TEST REPORT

Prepared For: **Marexco, Inc.**

PO Box 21598  
Oklahoma City, OK 73158

ATTN: Rick Hall

**Kyte #34-2**

**2-3s-29w Decatur,KS**

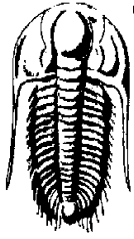
Start Date: 2017.07.07 @ 21:12:00

End Date: 2017.07.08 @ 03:12:30

Job Ticket #: 63150                      DST #: 2

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.07.11 @ 10:59:43



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Marexco, Inc.  
PO Box 21598  
Oklahoma City, OK 73158  
ATTN: Rick Hall

**2-3s-29w Decatur, KS**  
**Kyte #34-2**  
Job Ticket: 63150      **DST#: 2**  
Test Start: 2017.07.07 @ 21:12:00

## GENERAL INFORMATION:

Formation: **LKC "C"**  
Deviated: No Whipstock:                      ft (KB)  
Time Tool Opened: 23:22:30  
Time Test Ended: 03:12:30  
Interval: **3625.00 ft (KB) To 3651.00 ft (KB) (TVD)**  
Total Depth: 3651.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2600.00 ft (KB)  
2595.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: James Winder  
Unit No: 83

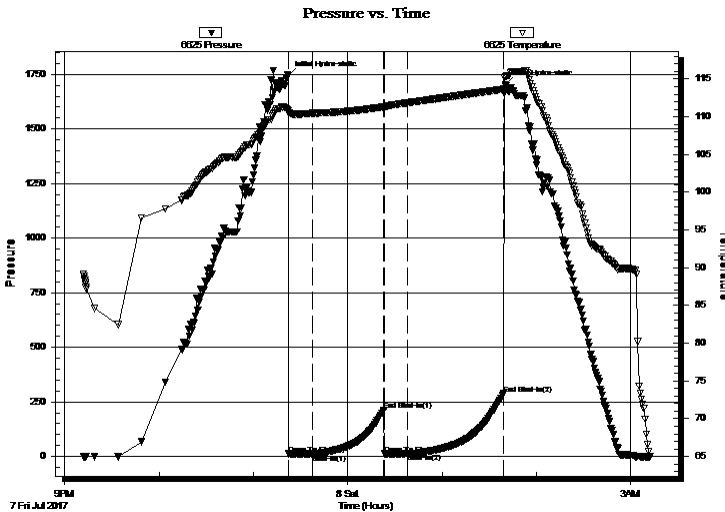
## Serial #: 6625

Inside

Press@RunDepth: 12.38 psig @ 3626.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.07.07      End Date: 2017.07.08      Last Calib.: 2017.07.08  
Start Time: 21:12:05      End Time: 03:12:29      Time On Btm: 2017.07.07 @ 23:22:15  
Time Off Btm: 2017.07.08 @ 01:40:15

TEST COMMENT: 15 - IF: Blow built to 1/2"  
45 - IS: No blow back  
15 - FF: Weak surface blow for 1 min., then dead  
60 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1745.86	110.85	Initial Hydro-static
1	10.97	110.50	Open To Flow (1)
16	11.51	110.46	Shut-In(1)
61	211.31	111.31	End Shut-In(1)
61	11.14	111.32	Open To Flow (2)
76	12.38	111.85	Shut-In(2)
137	287.02	113.65	End Shut-In(2)
138	1701.43	115.32	Final Hydro-static

## Recovery

Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.01

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)







**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Marexco, Inc.  
PO Box 21598  
Oklahoma City, OK 73158  
ATTN: Rick Hall

**2-3s-29w Decatur,KS**  
**Kyte #34-2**  
Job Ticket: 63150      **DST#: 2**  
Test Start: 2017.07.07 @ 21:12:00

**Tool Information**

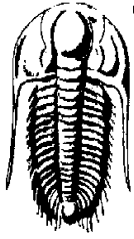
Drill Pipe:	Length: 3615.00 ft	Diameter: 3.80 inches	Volume: 50.71 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
		Total Volume: 50.71 bbl		Tool Chased 0.00 ft
Drill Pipe Above KB:	14.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3625.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	26.00 ft			
Tool Length:	50.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
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Change Over Sub	1.00			3602.00	
Shut In Tool	5.00			3607.00	
Hydraulic tool	5.00			3612.00	
Safety Joint	3.00			3615.00	
Packer	5.00			3620.00	24.00      Bottom Of Top Packer
Packer	5.00			3625.00	
Stubb	1.00			3626.00	
Recorder	0.00	6625	Inside	3626.00	
Recorder	0.00	8017	Outside	3626.00	
Perforations	22.00			3648.00	
Bullnose	3.00			3651.00	26.00      Bottom Packers & Anchor

**Total Tool Length: 50.00**



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Marexco, Inc.

**2-3s-29w Decatur, KS**

PO Box 21598  
Oklahoma City, OK 73158

**Kyte #34-2**

Job Ticket: 63150

**DST#: 2**

ATTN: Rick Hall

Test Start: 2017.07.07 @ 21:12:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 8.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 63.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 10.55 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.014

Total Length: 1.00 ft      Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

Serial #: 6625

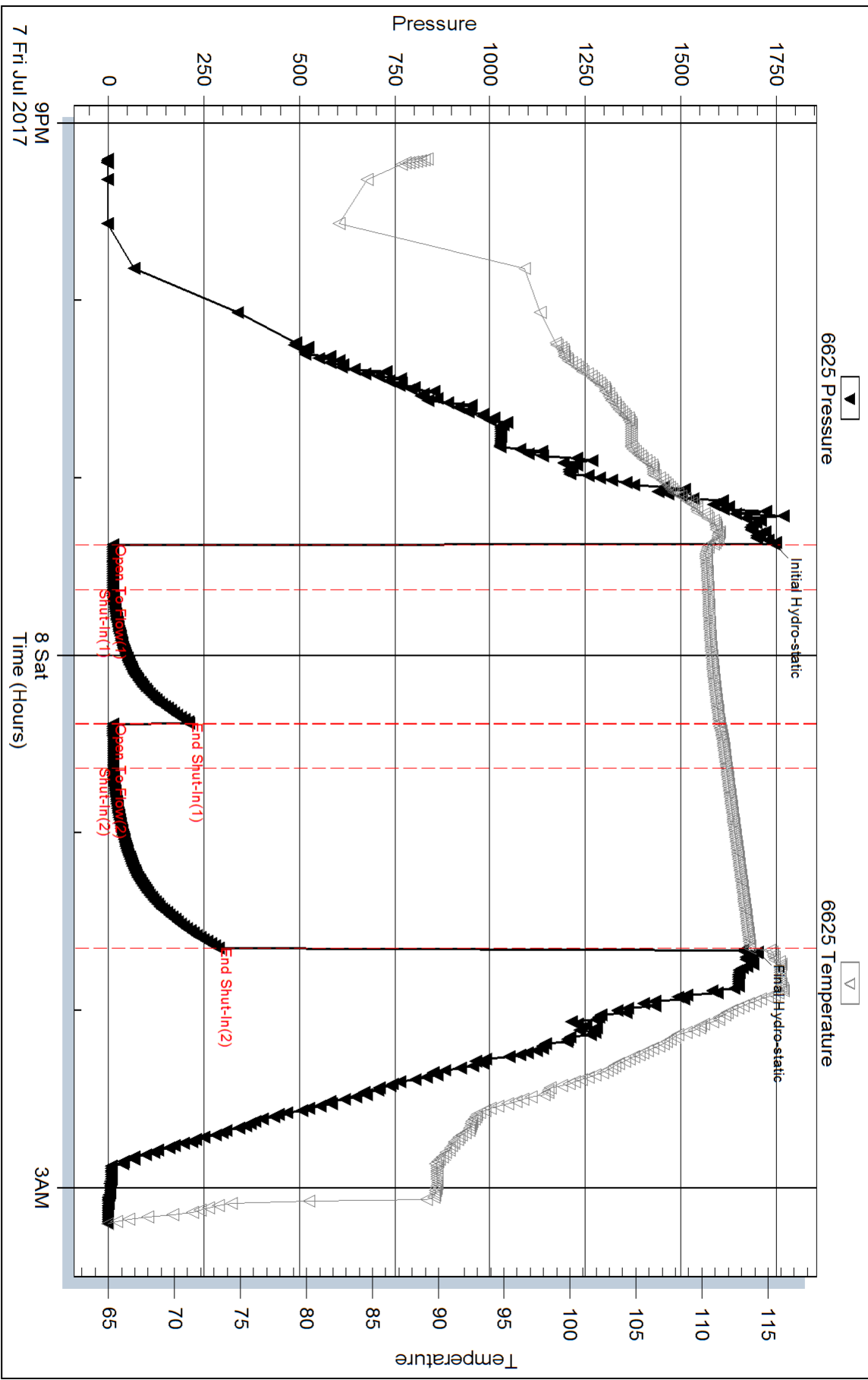
Inside

Marexco, Inc.

Kyte #34-2

DST Test Number: 2

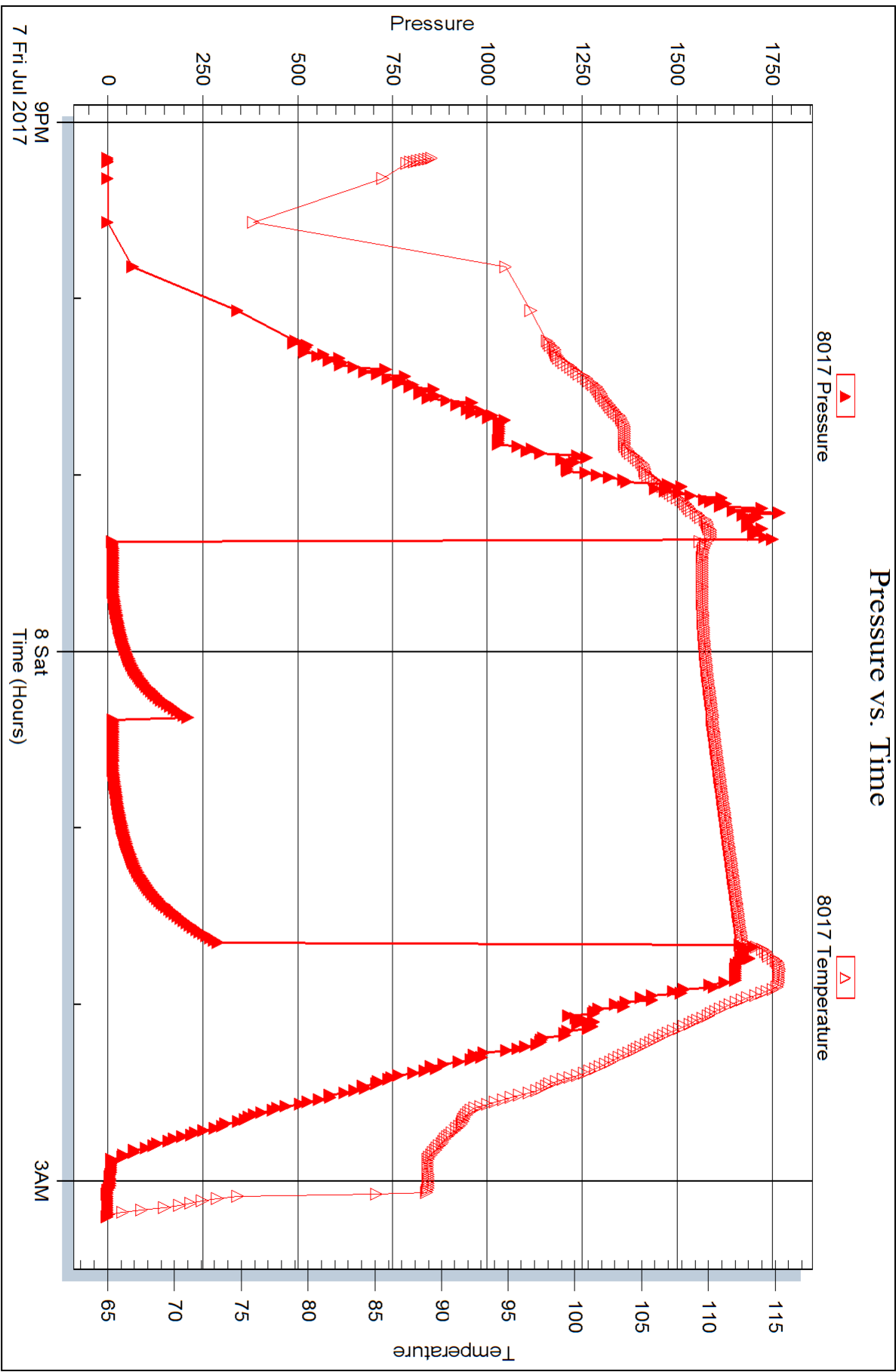
### Pressure vs. Time

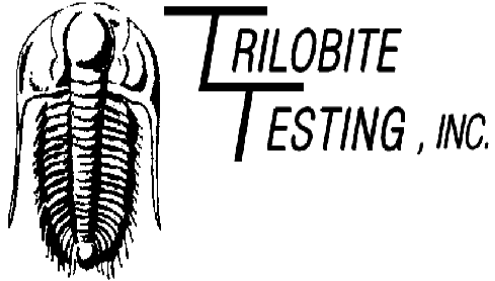


Trilobite Testing, Inc

Ref. No: 63150

Printed: 2017.07.11 @ 10:59:44





## DRILL STEM TEST REPORT

Prepared For: **Marexco, Inc.**

PO Box 21598  
Oklahoma City, OK 73158

ATTN: Rick Hall

**Kyte #34-2**

**2-3s-29w Decatur,KS**

Start Date: 2017.07.08 @ 12:03:00

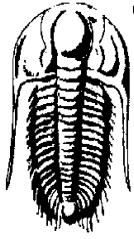
End Date: 2017.07.08 @ 16:48:45

Job Ticket #: 63326                      DST #: 3

Trilobite Testing, Inc  
1515 Commerce Parkway Hays, KS 67601  
ph: 785-625-4778 fax: 785-625-5620

Printed: 2017.07.11 @ 10:58:45

Marexco, Inc. 2-3s-29w Decatur,KS Kyte #34-2 DST # 3 LKC "D - E" 2017.07.08



**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

Marexco, Inc.  
PO Box 21598  
Oklahoma City, OK 73158  
ATTN: Rick Hall

**2-3s-29w Decatur, KS**  
**Kyte #34-2**  
Job Ticket: 63326      **DST#: 3**  
Test Start: 2017.07.08 @ 12:03:00

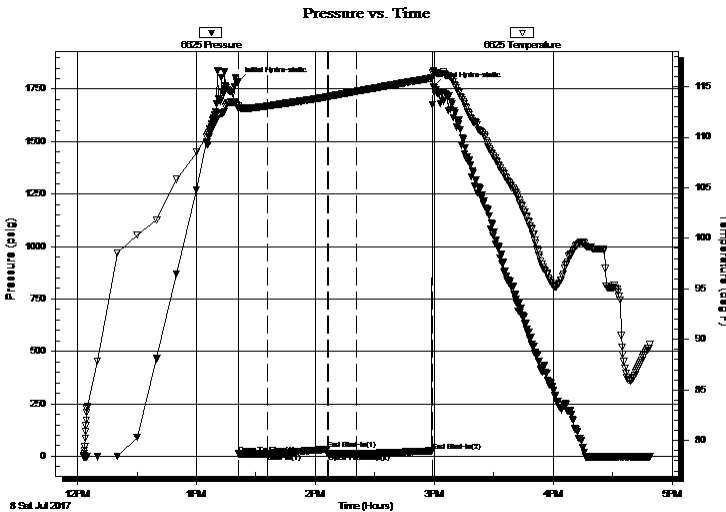
## GENERAL INFORMATION:

Formation: **LKC "D - E"**  
Deviated: No Whipstock: ft (KB)  
Time Tool Opened: 13:21:15  
Time Test Ended: 16:48:45  
Interval: **3652.00 ft (KB) To 3716.00 ft (KB) (TVD)**  
Total Depth: 3716.00 ft (KB) (TVD)  
Hole Diameter: 7.88 inches Hole Condition: Fair  
Reference Elevations: 2600.00 ft (KB)  
2595.00 ft (CF)  
KB to GR/CF: 5.00 ft  
Test Type: Conventional Bottom Hole (Reset)  
Tester: James Winder  
Unit No: 83

**Serial #: 6625**      **Inside**  
Press@RunDepth: 12.28 psig @ 3653.00 ft (KB)      Capacity: 8000.00 psig  
Start Date: 2017.07.08      End Date: 2017.07.08      Last Calib.: 2017.07.08  
Start Time: 12:03:05      End Time: 16:48:44      Time On Btm: 2017.07.08 @ 13:21:00  
Time Off Btm: 2017.07.08 @ 14:59:30

**TEST COMMENT:** 15 - IF: Weak surface blow , dead at 6 min.  
30 - IS: No blow  
15 - FF: No blow  
30 - FS: No blow

## PRESSURE SUMMARY



Time (Min.)	Pressure (psig)	Temp (deg F)	Annotation
0	1784.37	113.06	Initial Hydro-static
1	11.31	112.85	Open To Flow (1)
15	12.18	113.09	Shut-In(1)
45	33.62	113.99	End Shut-In(1)
46	12.13	114.01	Open To Flow (2)
60	12.28	114.55	Shut-In(2)
98	25.80	115.86	End Shut-In(2)
99	1759.91	116.61	Final Hydro-static

## Recovery

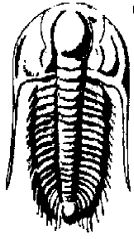
Length (ft)	Description	Volume (bbl)
1.00	Mud 100%	0.01
0.00	Oil spots in tool	0.00

\* Recovery from multiple tests

## Gas Rates

Choke (inches)	Pressure (psig)	Gas Rate (Mcf/d)





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**TOOL DIAGRAM**

Marexco, Inc.  
PO Box 21598  
Oklahoma City, OK 73158  
ATTN: Rick Hall

**2-3s-29w Decatur, KS**  
**Kyte #34-2**  
Job Ticket: 63326      **DST#: 3**  
Test Start: 2017.07.08 @ 12:03:00

**Tool Information**

Drill Pipe:	Length: 3645.00 ft	Diameter: 3.80 inches	Volume: 51.13 bbl	Tool Weight: 2500.00 lb
Heavy Wt. Pipe:	Length: 0.00 ft	Diameter: 2.75 inches	Volume: 0.00 bbl	Weight set on Packer: 25000.00 lb
Drill Collar:	Length: 0.00 ft	Diameter: 2.25 inches	Volume: 0.00 bbl	Weight to Pull Loose: 60000.00 lb
			<u>Total Volume: 51.13 bbl</u>	Tool Chased 0.00 ft
Drill Pipe Above KB:	17.00 ft			String Weight: Initial 56000.00 lb
Depth to Top Packer:	3652.00 ft			Final 56000.00 lb
Depth to Bottom Packer:	ft			
Interval between Packers:	64.00 ft			
Tool Length:	88.00 ft			
Number of Packers:	2	Diameter: 6.75 inches		

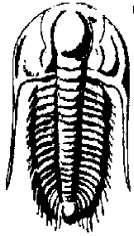
Tool Comments:

<b>Tool Description</b>	<b>Length (ft)</b>	<b>Serial No.</b>	<b>Position</b>	<b>Depth (ft)</b>	<b>Accum. Lengths</b>
-------------------------	--------------------	-------------------	-----------------	-------------------	-----------------------

Change Over Sub	1.00			3629.00	
Shut In Tool	5.00			3634.00	
Hydraulic tool	5.00			3639.00	
Safety Joint	3.00			3642.00	
Packer	5.00			3647.00	24.00      Bottom Of Top Packer
Packer	5.00			3652.00	
Stubb	1.00			3653.00	
Recorder	0.00	6625	Inside	3653.00	
Recorder	0.00	8017	Outside	3653.00	
Perforations	22.00			3675.00	
Blank Spacing	34.00			3709.00	
Perforations	4.00			3713.00	
Bullnose	3.00			3716.00	64.00      Bottom Packers & Anchor

**Total Tool Length: 88.00**





**TRILOBITE  
TESTING, INC.**

# DRILL STEM TEST REPORT

**FLUID SUMMARY**

Marexco, Inc.

**2-3s-29w Decatur, KS**

PO Box 21598  
Oklahoma City, OK 73158

**Kyte #34-2**

Job Ticket: 63326

**DST#: 3**

ATTN: Rick Hall

Test Start: 2017.07.08 @ 12:03:00

## Mud and Cushion Information

Mud Type: Gel Chem

Cushion Type:

Oil API:

deg API

Mud Weight: 9.00 lb/gal

Cushion Length:

ft

Water Salinity:

ppm

Viscosity: 51.00 sec/qt

Cushion Volume:

bbbl

Water Loss: 8.99 in<sup>3</sup>

Gas Cushion Type:

Resistivity: ohm.m

Gas Cushion Pressure:

psig

Salinity: 2000.00 ppm

Filter Cake: 1.00 inches

## Recovery Information

Recovery Table

Length ft	Description	Volume bbl
1.00	Mud 100%	0.014
0.00	Oil spots in tool	0.000

Total Length: 1.00 ft      Total Volume: 0.014 bbl

Num Fluid Samples: 0

Num Gas Bombs: 0

Serial #:

Laboratory Name:

Laboratory Location:

Recovery Comments:

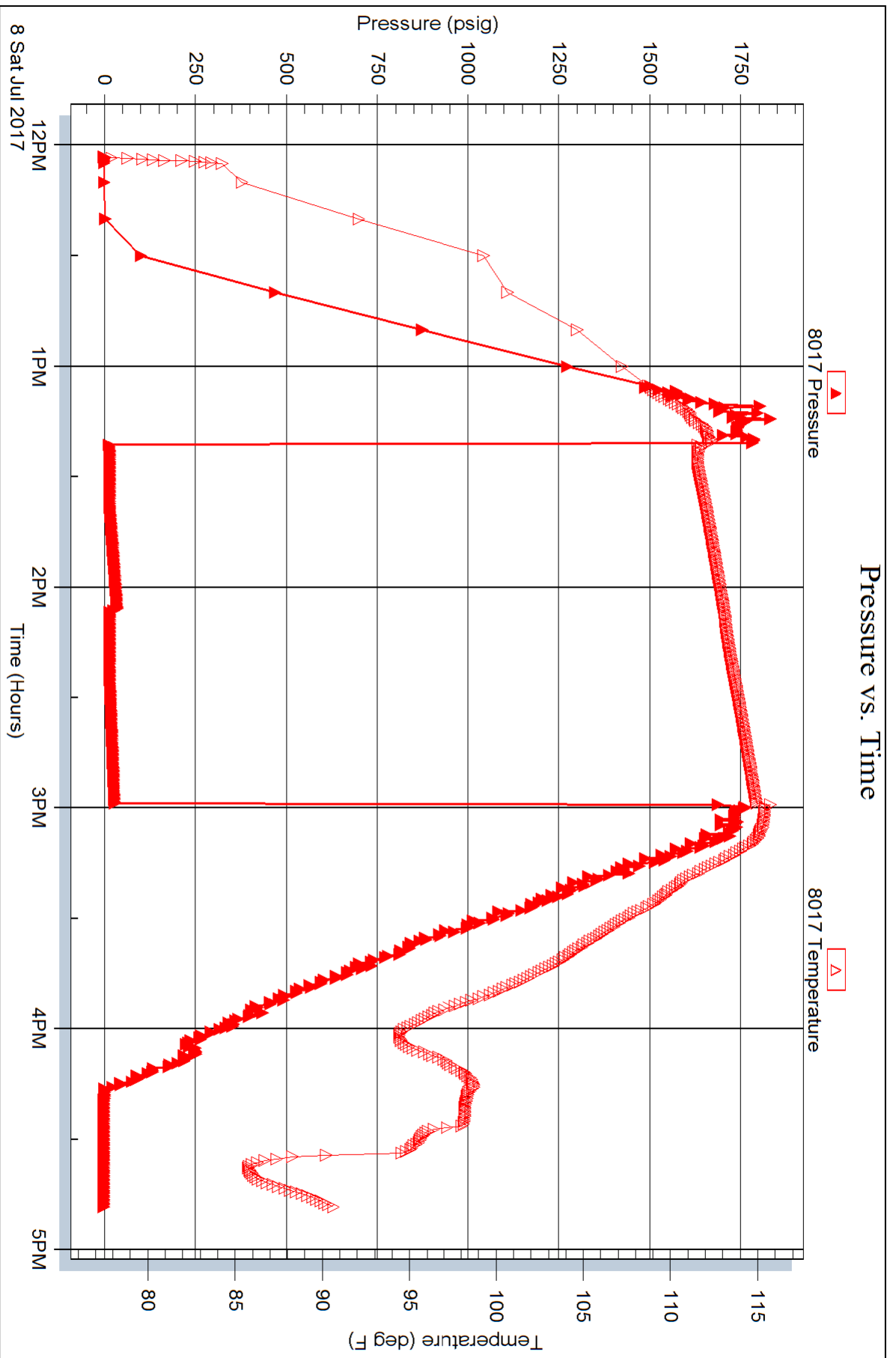


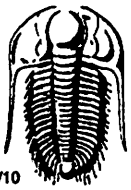
Serial #: 8017

Outside Marexco, Inc.

Kyte #34-2

DST Test Number: 3





# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63149

Well Name & No. Kyte # 34-2 Test No. 1 Date 7-7-17  
 Company Marexco Inc Elevation 2600 KB 2595 GL  
 Address PO Box 21598 Oklahoma City, OK 73158  
 Co. Rep / Geo. Rick Hall Rig White Knight  
 Location: Sec. 2 Twp. 3S Rge. 29W Co. Decatur State KS

Interval Tested 3625 - 3637 Zone Tested Lans. "B"  
 Anchor Length 12 Drill Pipe Run 3614 Mud Wt. 8.3  
 Top Packer Depth 3620 Drill Collars Run - Vis 63  
 Bottom Packer Depth 3625 Wt. Pipe Run - WL 10.6  
 Total Depth 3637 Chlorides 2000 ppm System LCM 1 1/2

Blow Description IF: Weak surface blow from 10-12 min  
ISI: No blow  
FF: No blow  
FSI: No blow

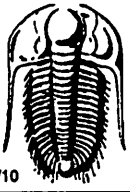
Rec	Feet of	%gas	%oil	%water	%mud
<u>4</u>	<u>mud</u>			<u>100</u>	
	<u>oil spots in tool</u>				

Rec Total 4 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm

(A) Initial Hydrostatic 1786  Test 1050 T-On Location 8:50  
 (B) First Initial Flow 18  Jars 250 T-Started 10:10  
 (C) First Final Flow 18  Safety Joint 75 T-Open 11:42  
 (D) Initial Shut-In 30  Circ Sub \_\_\_\_\_ T-Pulled 13:12  
 (E) Second Initial Flow 18  Hourly Standby \_\_\_\_\_ T-Out 14:30  
 (F) Second Final Flow 18  Mileage 4RT 3 Comments \_\_\_\_\_  
 (G) Final Shut-In 29  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1724  Straddle \_\_\_\_\_  Ruined Shale Packer \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  Ruined Packer \_\_\_\_\_  
 Extra Packer \_\_\_\_\_  Extra Copies \_\_\_\_\_  
 Extra Recorder \_\_\_\_\_ Sub Total 0  
 Day Standby \_\_\_\_\_ Total 1378  
 Accessibility \_\_\_\_\_ MP/DST Disc't \_\_\_\_\_  
 Sub Total 1378

Approved By \_\_\_\_\_ Our Representative James Winkler

TriLOBITE Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63150

Well Name & No. Kyte #34-2 Test No. 2 Date 7-7-17  
 Company Marexco Inc Elevation 2600 KB 2595 GL  
 Address PO Box 21598 Oklahoma City OK 73158  
 Co. Rep / Geo. Rick Hall Rig White Knight  
 Location: Sec. 2 Twp. 3s Rge. 29w Co. Decatur State KS

Interval Tested 3625 - 3651 Zone Tested Lans. "C"  
 Anchor Length 26 Drill Pipe Run 3615 Mud Wt. 8.3  
 Top Packer Depth 3620 Drill Collars Run - Vis 63  
 Bottom Packer Depth 3625 Wt. Pipe Run - WL 10.6  
 Total Depth 3651 Chlorides 2000 ppm System LCM 1 1/2

Blow Description IF: Blow built to 1/2"  
ISI: No blowback  
FF: Weak surface blow for 1 min. then dead  
FSI: No blow

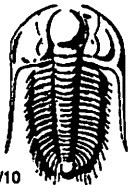
Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud</u>			<u>100</u>	
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud
Rec	Feet of	%gas	%oil	%water	%mud

Rec Total 1 BHT 114 Gravity \_\_\_\_\_ API RW \_\_\_\_\_ @ \_\_\_\_\_ °F Chlorides \_\_\_\_\_ ppm  
 (A) Initial Hydrostatic 1746  Test 1050 T-On Location 20:00 7/7  
 (B) First Initial Flow 11  Jars \_\_\_\_\_ T-Started 21:12  
 (C) First Final Flow 12  Safety Joint 75 T-Open 23:22  
 (D) Initial Shut-In 211  Circ Sub \_\_\_\_\_ T-Pulled 1:39  
 (E) Second Initial Flow 11  Hourly Standby \_\_\_\_\_ T-Out 3:05 7/8  
 (F) Second Final Flow 12  Mileage 4RT 3 Comments \_\_\_\_\_  
 (G) Final Shut-In 287  Sampler \_\_\_\_\_  
 (H) Final Hydrostatic 1701  Straddle \_\_\_\_\_  
 Shale Packer \_\_\_\_\_  
 Ruined Shale Packer \_\_\_\_\_  
 Ruined Packer \_\_\_\_\_  
 Extra Copies \_\_\_\_\_

Initial Open 15  
 Initial Shut-In 45  
 Final Flow 15  
 Final Shut-In 60  
 Sub Total 1128  
 Total 1128  
 MP/DST Disc't \_\_\_\_\_

Approved By \_\_\_\_\_ Our Representative James Winder

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.



# TRILOBITE TESTING INC.

1515 Commerce Parkway • Hays, Kansas 67601

## Test Ticket

NO. 63326

Well Name & No. Kyte #34-2 Test No. 3 Date 7-8-17  
 Company Marexco Inc Elevation 2600 KB 2595 GL  
 Address PO Box 21598 Oklahoma City, OK 73158  
 Co. Rep / Geo. Rick Hall Rig White Knight  
 Location: Sec. 2 Twp. 3s Rge. 29w Co. Decatur State KS

Interval Tested 3652-3716 Zone Tested Lans "D-E"  
 Anchor Length 64 Drill Pipe Run 3645 Mud Wt. 8.6  
 Top Packer Depth 3647 Drill Collars Run - Vis 51  
 Bottom Packer Depth 3652 Wt. Pipe Run - WL 9.0  
 Total Depth 3716 Chlorides 2000 ppm System LCM 1 1/2

Blow Description IF: weak surface blow, dead at 6 min  
ISI: No blow  
FF: No blow  
FSI: No blow

Rec	Feet of	%gas	%oil	%water	%mud
<u>1</u>	<u>Mud</u>			<u>100</u>	
	<u>Oil spots in tool</u>				

Rec Total 1 BHT 116 Gravity 1050 API RW @ °F Chlorides ppm  
 (A) Initial Hydrostatic 1784  Test 1050 T-On Location 11:45  
 (B) First Initial Flow 11  Jars  T-Started 12:03  
 (C) First Final Flow 12  Safety Joint 75 T-Open 13:21  
 (D) Initial Shut-In 34  Circ Sub  T-Pulled 14:59  
 (E) Second Initial Flow 12  Hourly Standby  T-Out 16:45  
 (F) Second Final Flow 12  Mileage 4RT 3 Comments   
 (G) Final Shut-In 26  Sampler   
 (H) Final Hydrostatic 1760  Straddle   Ruined Shale Packer   
 Shale Packer   Ruined Packer   
 Initial Open 15  Extra Packer   Extra Copies   
 Initial Shut-In 30  Extra Recorder  Sub Total 0  
 Final Flow 15  Day Standby  Total 1128  
 Final Shut-In 30  Accessibility  MP/DST Disc't   
 Sub Total 1128

Approved By Rick Hall Our Representative James Winter

Trilobite Testing Inc. shall not be liable for damaged of any kind of the property or personnel of the one for whom a test is made, or for any loss suffered or sustained, directly or indirectly, through the use of its equipment, or its statements or opinion concerning the results of any test, tools lost or damaged in the hole shall be paid for at cost by the party for whom the test is made.